



# Analytical Laboratory

Analytical Lab  
Page 1 of 5

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Huntersville, NC 28078-7929  
McGuire Nuclear Complex - MG03A2  
Phone: 980-875-5245 Fax: 980-875-4349

## Order Summary Report

**Order Number:** J11010033

Project Name: NPDES - MONTHLY

Customer Name(s): Sue Wallace, Matthew Dorn, Mark Harper, Todd Spade, Tara Thomas

Customer Address: 11021 BROWER RD.

NORTH BEND, OH 45052

Lab Contact: Theron T James Phone: 980-875-4795

**Report Authorized By:** \_\_\_\_\_ **Date:** 1/18/2011  
(Signature)

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### Program Comments:

Miami Fort NPDES - Monthly (Week 1)

### Data Flags & Calculations:

Any analytical tests or individual analytes within a test flagged with an "X" or "1" indicate a deviation from the method quality system or quality control requirement. All results are reported on a dry weight basis unless otherwise noted.

### Data Package:

This data package includes analytical results that are applicable only to the samples described in this narrative. An estimation of the uncertainty of measurement for the results in the report is available upon request. This report shall not be reproduced, except in full, without the written consent of the Analytical Laboratory. Please contact the Analytical laboratory with any questions. The order of individual sections within this report is as follows:

*Job Summary Report, Sample Identification, Technical Validation of Data Package, Analytical Laboratory Certificate of Analysis, Analytical Laboratory QC Reports, Sub-contracted Laboratory Results, Customer Specific Data Sheets, Reports & Documentation, Customer Database Entries, Test Case Narratives, Chain of Custody (COC)*

### Certification:

The Analytical Laboratory holds the following State Certifications : North Carolina (DENR) Certificate #248, South Carolina (DHEC) Laboratory ID # 99005. Contact the Analytical Laboratory for definitive information about the certification status of specific methods.

*The results in this report meet NELAP requirements through New York State Department of Health Certification # 11717.. Certified parameters are designated with an "N" in the analytical report.*

## Sample ID's & Descriptions:

Sample ID	Plant/Station	Collection Date and Time	Collected By	Sample Description
2011000122	MIAMI-FORT	04-Jan-11 9:30 AM	Mark Harper	OUTFALL 002
2011000123	MIAMI-FORT	04-Jan-11 9:00 AM	Mark Harper	OUTFALL 608
2 Total Samples				

# Technical Validation Review

## Checklist:

COC and .pdf report are in agreement with sample totals and analyses (compliance programs and procedures).

☒ Yes

☐ No

All Results are less than the laboratory reporting limits.

☐ Yes

☒ No

All laboratory QA/QC requirements are acceptable.

☒ Yes

☐ No

The Vendor Laboratories have been qualified by the Analytical Laboratory

N/A

## Report Sections Included:

☒ Job Summary Report

☒ Sample Identification

☒ Technical Validation of Data Package

☒ Analytical Laboratory Certificate of Analysis

☐ Analytical Laboratory QC Report

☐ Sub-contracted Laboratory Results

☐ Customer Specific Data Sheets, Reports, & Documentation

☐ Customer Database Entries

☐ Test Case Narratives

☒ Chain of Custody

☐ Electronic Data Deliverable (EDD) Sent Separately

Reviewed By: Jenny A Herman

Date: 1/18/2011

# Certificate of Laboratory Analysis

*This report shall not be reproduced, except in full.*

**Order # J11010033**

Site: OUTFALL 002

Collection Date: 04-Jan-11 9:30 AM

**Sample #: 2011000122**

Matrix: NPDES

Analyte	Result	Units	Qualifiers	RDL	Method	Analysis Date/Time	Analyst
<b><u>TOTAL DISSOLVED SOLIDS</u></b>							
TDS	880	mg/L	N	20	SM2540C	10-Jan-11 10:20	TJA7067

Site: OUTFALL 608

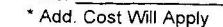
Collection Date: 04-Jan-11 9:00 AM

**Sample #: 2011000123**

Matrix: NPDES

Analyte	Result	Units	Qualifiers	RDL	Method	Analysis Date/Time	Analyst
<b><u>ALKALINITY (FIXED END POINT 4.5)</u></b>							
Alkalinity (mg/L CaCO <sub>3</sub> )	2000	mg/L (CaCO <sub>3</sub> )	N	0.1	SM2320B	10-Jan-11 11:22	TJA7067
<b><u>INORGANIC IONS BY IC</u></b>							
Chloride	8100	mg/L	N	100	EPA 300.0	07-Jan-11 20:19	CLEEMAN
Fluoride	25	mg/L	N	10	EPA 300.0	07-Jan-11 20:19	CLEEMAN
Sulfate	11000	mg/L	N	200	EPA 300.0	07-Jan-11 20:19	CLEEMAN
<b><u>TOTAL METALS BY ICP</u></b>							
Boron (B)	547	mg/L	N	2.5	EPA 200.7	12-Jan-11 10:55	DJSULL1
Iron (Fe)	0.038	mg/L	N	0.01	EPA 200.7	12-Jan-11 10:55	DJSULL1
Manganese (Mn)	11.7	mg/L	N	0.005	EPA 200.7	12-Jan-11 10:55	DJSULL1
<b><u>TOTAL RECOVERABLE METALS BY ICP-MS</u></b>							
Arsenic (As)	< 20	ug/L	N	20	EPA 200.8	12-Jan-11 13:42	KRICHAR
Barium (Ba)	82.9	ug/L	N	20	EPA 200.8	12-Jan-11 13:42	KRICHAR
Cadmium (Cd)	< 20	ug/L	N	20	EPA 200.8	12-Jan-11 13:42	KRICHAR
Chromium (Cr)	< 20	ug/L	N	20	EPA 200.8	12-Jan-11 13:42	KRICHAR
Copper (Cu)	< 20	ug/L	N	20	EPA 200.8	12-Jan-11 13:42	KRICHAR
Lead (Pb)	< 20	ug/L	N	20	EPA 200.8	12-Jan-11 13:42	KRICHAR
Zinc (Zn)	< 40	ug/L	N	40	EPA 200.8	12-Jan-11 13:42	KRICHAR
<b><u>TOTAL DISSOLVED SOLIDS</u></b>							
TDS	31000	mg/L	N	200	SM2540C	10-Jan-11 10:20	TJA7067
<b><u>TOTAL SUSPENDED SOLIDS</u></b>							
TSS	10	mg/L	N	5	SM2540D	07-Jan-11 15:47	CLEEMAN

## Page 5 of 5



<sup>19</sup>Page 1 of 1  
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COPY to CLIENT